

Material—Pipe Class 1**1. SCOPE**

This specification covers round pipe with NH Class 1 type material.

2. DESIGNATION

Specify on drawing in the material block:

C1 PIPE PER 86050103

3. RELATED STANDARDS**3.1 REFERENCE STANDARD**

ASTM A53—Specification for Pipe, Steel, Black and Hot Dipped, Zinc Coated, Welded and Seamless

3.2 This standard replaces the following company standard:

New Holland (Partial) 2.50.3

4. REQUIREMENTS**4.1 Material**

Material is per ASTM A53 Type F (buttweld).

NOTE: Class 1 does not allow shellac or lacquer coating.

4.2 Physical Properties

Minimum yield strength—25,000 psi.

Minimum tensile strength—45,000 psi.

Elongation—Generally above 20% (see ASTM standard).

4.3 Dimensional Tolerances

4.3.1 The weight of the pipe as specified in Table 1 shall not vary by more than $\pm 10\%$.

4.3.2 The outside diameter of the pipe shall not vary more than $\pm 1/64$ " for NPS 1.5 and under.

4.3.3 The outside diameter of the pipe shall not vary more than $\pm 1\%$ for NPS 2.0 and over.

4.3.4 The minimum wall thickness shall not be more than 12.5% under the nominal wall thickness specified on Table 1.

					NAME	STD PIPE CLASS 1		
								ENGINEERING SPECIFICATION
ALL	E	TH	118958	07-02				
ALL	D	TH	117596	02-02	THE INFORMATION HEREON IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF NEW HOLLAND N. V. AND/OR ITS SUBSIDIARIES. ANY USE, EXCEPT THAT FOR WHICH IT MAY BE LOANED, IS PROHIBITED.			FRAME 1 OF 3
ALL	C	RLF	110229	JUL 97				
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TABLE 1 - NPS Dimensions and Weights

NPS Designator	Outside Diameter, in. (mm)	Wall Thickness, in. (mm)	Nominal Weight per ft (m), Plain End, lb (kg)	Weight Class	Schedule No.
1/8	0.405 (10.3)	0.068 (1.73)	0.24 (0.37)	STD	40
		0.095 (2.41)	0.31 (0.47)	XS	80
1/4	0.540 (13.7)	0.088 (2.24)	0.42 (0.63)	STD	40
		0.119 (3.02)	0.54 (0.80)	XS	80
3/8	0.675 (17.1)	0.091 (2.31)	0.57 (0.84)	STD	40
		0.126 (3.20)	0.74 (1.10)	XS	80
1/2	0.840 (21.3)	0.109 (2.77)	0.85 (1.27)	STD	40
		0.147 (3.73)	1.09 (1.62)	XS	80
		0.188 (4.78)	1.31 (1.95)	...	160
		0.294 (7.47)	1.71 (2.55)	XXS	...
3/4	1.050 (26.7)	0.113 (2.87)	1.13 (1.69)	STD	40
		0.154 (3.91)	1.47 (2.20)	XS	80
		0.219 (5.56)	1.94 (2.90)	...	160
		0.308 (7.82)	2.44 (3.64)	XXS	...
1	1.315 (33.4)	0.133 (3.38)	1.68 (2.50)	STD	40
		0.179 (4.55)	2.17 (3.24)	XS	80
		0.250 (6.35)	2.84 (4.24)	...	160
		0.358 (9.09)	3.66 (5.45)	XXS	...
1 1/4	1.660 (42.2)	0.140 (3.56)	2.27 (3.39)	STD	40
		0.191 (4.85)	3.00 (4.47)	XS	80
		0.250 (6.35)	3.76 (5.61)	...	160
		0.382 (9.70)	5.21 (7.77)	XXS	...
1 1/2	1.900 (48.3)	0.145 (3.68)	2.72 (4.05)	STD	40
		0.200 (5.08)	3.63 (5.41)	XS	80
		0.281 (7.14)	4.86 (7.25)	...	160
		0.400 (10.16)	6.41 (9.56)	XXS	...
2	2.375 (60.3)	0.154 (3.91)	3.65 (5.44)	STD	40
		0.218 (5.54)	5.02 (7.48)	XS	80
		0.344 (8.74)	7.46 (11.11)	...	160
		0.436 (11.07)	9.03 (13.44)	XXS	...
2 1/2	2.875 (73.0)	0.203 (5.16)	5.79 (8.63)	STD	40
		0.276 (7.01)	7.66 (11.41)	XS	80
		0.375 (9.52)	10.01 (14.90)	...	160
		0.552 (14.02)	13.70 (20.39)	XXS	...
3	3.500 (88.9)	0.125 (3.18)	4.51 (6.72)	...	...
		0.156 (3.96)	5.57 (8.29)	...	...
		0.188 (4.78)	6.65 (9.92)	...	...
		0.216 (5.49)	7.58 (11.29)	STD	40
		0.250 (6.35)	8.68 (12.93)	...	...
		0.281 (7.14)	9.66 (14.40)	...	...
		0.300 (7.62)	10.25 (15.27)	XS	80
		0.438 (11.13)	14.32 (21.35)	...	160
3 1/2	4.000 (101.6)	0.600 (15.24)	18.58 (27.68)	XXS	...
		0.125 (3.18)	5.17 (7.72)	...	...
		0.156 (3.96)	6.40 (9.53)	...	...
		0.188 (4.78)	7.65 (11.41)	...	...
		0.226 (5.74)	9.11 (13.57)	STD	40
		0.250 (6.35)	10.01 (14.92)	...	...
		0.281 (7.14)	11.16 (16.63)	...	...
		0.318 (8.08)	12.51 (18.63)	XS	80



NAME

STD PIPE CLASS 1

ENGINEERING SPECIFICATION

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